



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ara Victor Nefian; Lu Hong
Liang

Serial No.: 10/649,070

Filed: August 27, 2003

For: Identifying A Speaker Using Markov
Models

§ Group Art Unit: 2621

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Examiner: Unknown

Atty. Dkt. No.: ITL.1033US (P16814)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants submit the references listed on the attached form PTO 1449, copies of the non-U. S. Patent references are enclosed.


This statement is being filed before the receipt of a first Office action on the merits.

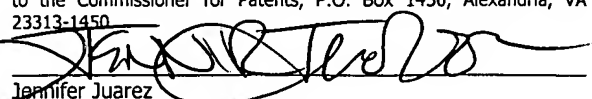
Please apply any charges or credits to Deposit Account 20-1504.

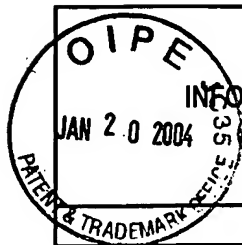
Respectfully submitted,

Date: January 15, 2004




Mark J. Rozman
Registration No. 42,117
TROP, PRUNER & HU, P.C.
8554 Katy Freeway, Suite 100
Houston, Texas 77024
(512) 418-9944 [Phone]
(713) 468-8883 [Fax]

Date of Deposit: January 15, 2004
I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jennifer Juarez

**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

ATTY DOCKET NO.

ITL.1033US (P16814)

SERIAL NO.

10/649,070

APPLICANT(S):

ARA VICTOR NEFIAN; LU HONG LIANG

FILING DATE:

August 27, 2003

GROUP ART UNIT:

2621

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.	US 2003/0113018		Nefian et al.	382	181	01/23/2003
	B.						
	C.						
	D.						
	E.						
	F.						
	G.						
	H.						
	I.						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	J.							
	K.							
	L.							
	M.							
	N.							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	O.	L. Liang, X. Liu, X. Pi, Y. Zhao, and A. V. Nefian. Speaker Independent Audio-Visual Continuous Speech Recognition. In <i>International Conference on Multimedia and Expo</i> , Vol. 2, pp. 25-28. Conference held August 26-29, 2002.
	P.	A. V. Nefian. Embedded Bayesian Networks for Face Recognition. In <i>IEEE International Conference on Multimedia and Expo</i> , Vol. 2, pp. 133-136. Conference held August 26-29, 2002.
	Q.	A. V. Nefian, L. Liang, T. Fu, X. Liu. A Bayesian Approach to Audio-Visual Speaker Identification. <u>AVBPA03</u> , pp. 761-69. January 2003
	R.	Ara V. Nefian and Monson H. Hayes III. "Hidden Markov models for face detection and recognition", IEEE International Conference on Image Processing, vol. 1, p. 141-145. October 1998.
	S.	Ara V. Nefian and Monson H. Hayes III. "Maximum Likelihood Training of the Embedded HMM for Face Detection and Recognition". In <i>IEEE International Conference on Image Processing</i> , Vol. 1, pp. 33-36. September 2000.
	T.	
	U.	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.